CIVIL TECH LABS

Accredited by NABL as per ISO/ IEC 17025 : 2005

5, 1st Cross, Srinivasa Colony, Mission Road, Bangalore - 560027

Ph: 080 - 4114 2867 / Mob. : 96862 31801, Email: civiltechlabs@gmail.com

T-2654

To,

Assistant Executive Engineer,
Kodigehalli Sub Division,
BBMP.

22nd September 2016

Dear Sir,

Sub: Development of Tatanagar 4th cross Childrens park in ward no. 08 Kodigehalli.
Work order No: EE/BTP/BBMP/E-PMT /294/2015-16.
Testing of cubes – Reg.

AE-8

As requested the 07th day Compressive Strength Test of Cubes was carried out for the above work for the samples supplied by you.

Please find the enclosed Test Reports of the above.

Thanking you,

For Civil Tech Labs,

CIVIL TECH LABS BANGALORE

(ROOPA G.)
Technical Manager

CIVIL TECH LABS

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TEST REPORT

COMPRESSIVE STRENGTH TEST ON CONCRETE CUBES

Name & Address of the Customer	AEE, Kodigehalli Sub Division, BBMP.
Name of Work	Development of Tatanagar 4th cross Childrens park in ward no. 08 Kodigehalli. Work order No: EE/BTP/BBMP/E-PMT /294/2015-16.
Name of Agency	Sri. Taranath K. R.
Grade of Concrete	M-15
No. of cubes tested	3
Technical Reference	IS: 516-1959 (Reaffirmed 2013)

Sl. No.	ID	Dimension of specimen (mm)	Cross sectional area (mm^2)	Date of Casting	Date of Testing	Age at test (Days)	Weight (Kg)	Failure Load (KN)	Compressive Strength (N/mm^2)	Avg Compressive Strength (N/mm^2)
1	CC Work	150.09 X 150.07 X 150.0	22524	15/09/2016	22/09/2016	7	8.19	258	**11.47**	**11.56**
2		150.06 X 150.04 X 150.0	22515				8.20	262	**11.64**	
3		150.07 X 150.05 X 150.0	22518				8.21	260	**11.56**	

AE&E

Note:

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3. Any correction invalidates this report.
4. The results are based on the test conducted on samples supplied by the customer.

Roopa.G

(ROOPA G.)
Technical Manager

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TEST REPORT

GAUGE TEST ON M.S.PIPE Nominal Size 38mm

Name & Address of the Customer	AEE, Kodigehalli Sub Division, BBMP.
Name of Work	Development of Tatanagar 4th cross Childrens park in ward no. 08 Kodigehalli. Work order No: EE/BTP/BBMP/E-PMT /294/2015-16.
Name of the Agency	Sri. Taranath K. R.
Date of Testing	12/09/2016

Gauge Test				
Nominal Size in mm	**Guage**	**Measured Thickness in mm**	**Min. As Per IS : 1136-2008 in mm**	**Remarks**
38	**14**	1.99	**1.99**	**Satisfies The Requirement**

Note:

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(ROOPA G.)
Technical Manager

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T-2654

To,

Assistant Executive Engineer,
Kodigehalli Sub Division,
BBMP.

12th September 2016

Dear Sir,

Sub: Testing of Materials.

As requested, tests on physical properties were carried out for the Materials supplied by you, for the work of **'Development of Tatanagar 4th cross Childrens park in ward no. 08 Kodigehalli.**
Work order No: EE/BTP/BBMP/E-PMT /294/2015-16.'

A&B

Please find the enclosed Test Reports of the above.

Thanking You,
For Civil Tech Labs

CIVIL TECH LABS BANGALORE

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Technical Manager

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TEST REPORT

GRADATION TEST ON COARSE AGGREGATES 20mm ↓ Graded

Name & Address of the Customer	AEE, Kodigehalli Sub Division, BBMP.
Name of Work	Development of Tatanagar 4th cross Childrens park in ward no. 08 Kodigehalli. Work order No: EE/BTP/BBMP/E-PMT /294/2015-16.
Name of Agency	Sri. Taranath K. R.
Date of Testing	12/09/2016
Specific Gravity	**2.63**
Water Absorption	**0.32%**
Technical Reference	IS : 2386(Part I)–1963 (Reaffirmed 2011), IS : 2386 (Part III)–1963 (Reaffirmed 2011)

IS Sieve Designation (mm)	Sieve Analysis (% Passing IS Sieve)	Grading Requirement as per IS:383-1970 (Reaffirmed 2011)	Remarks
40	**100**	100	**Satisfies the requirement**
20	**99.1**	95-100	
10	**45.2**	25-55	
4.75	**8.2**	0-10	

AE-8

Note:

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TEST REPORT

GRADATION TEST ON COARSE AGGREGATES 40mm ↓ Graded

Name & Address of the Customer	AEE, Kodigehalli Sub Division, BBMP.
Name of Work	Development of Tatanagar 4th cross Childrens park in ward no. 08 Kodigehalli. Work order No: EE/BTP/BBMP/E-PMT /294/2015-16.
Name of Agency	Sri. Taranath K. R.
Date of Testing	12/09/2016
Specific Gravity	**2.66**
Water Absorption	**0.28%**
Technical Reference	IS : 2386(Part I)–1963 (Reaffirmed 2011), IS : 2386 (Part III)–1963 (Reaffirmed 2011)

IS Sieve Designation (mm)	**Sieve Analysis (% Passing IS Sieve)**	**Grading Requirement as per IS:383-1970 (Reaffirmed 2011)**	**Remarks**
80	**100**	100	**Satisfies the requirement**
40	**99.1**	95-100	
20	**54.2**	30-70	
10	**25.1**	10-35	
4.75	**3.3**	0-5	

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Technical Manager

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TEST REPORT

GRADATION TEST ON FINE AGGREGATES

Name & Address of the Customer	AEE, Kodigehalli Sub Division, BBMP.
Name of Work	Development of Tatanagar 4th cross Childrens park in ward no. 08 Kodigehalli. Work order No: EE/BTP/BBMP/E-PMT /294/2015-16.
Name of Agency	Sri. Taranath K. R.
Date of Testing	12/09/2016
Specific Gravity	**2.57**
Technical Reference	IS : 2386(Part I)–1963 (Reaffirmed 2011), IS : 2386 (Part III)–1963 (Reaffirmed 2011)

Sample	IS Sieve designation (mm)	Sieve Analysis (% Passing IS Sieve)	Grading Requirement as per IS:383-1970 (Reaffirmed 2011)				Grading Zone	Remarks
			ZONE-I	ZONE-II	ZONE-III	ZONE-IV		
River Sand	10	**100**	100	100	100	100	II	Satisfies the requirement
	4.75	**98.5**	90-100	90-100	90-100	95-100		
	2.36	**87.8**	60-95	75-100	85-100	95-100		
	1.18	**75.4**	30-70	55-90	75-100	90-100		
	0.6	**48.2**	15-34	35-59	60-79	80-100		
	0.3	**27.1**	5-20	8-30	12-40	15-50		
	0.15	**7.9**	0-10	0-10	0-10	0-15		

Note:

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TEST REPORT

TEST ON CEMENT

Name & Address of the Customer	AEE, Kodigehalli Sub Division, BBMP.
Name of Work	Development of Tatanagar 4th cross Childrens park in ward no. 08 Kodigehalli. Work order No: EE/BTP/BBMP/E-PMT /294/2015-16.
Name of the Agency	Sri. Taranath K. R.
Date of Testing	12/09/2016

Tests	**Test Method As Per IS & Apparatus**		**Results**		**Requirements As Per IS 8112:1989**	**Remarks**
	IS Code	**Method**	**Value**	**Unit**		
Initial Setting Time	**IS-4031 (Part-5) 1988**	VICAT	49	min	Not Less Than 30 Minutes	Satisfies Requirement
Final Setting Time	**IS-4031 (Part-5) 1988**	VICAT	489	min	Not More Than 600 Minutes	Satisfies Requirement
Soundness	**IS-4031 (Part-3) 1988**	LE-CHATELIER	4	mm	Not More Than 10 mm	Satisfies Requirement

AE-8

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TEST REPORT

TEST ON STEEL ANGLES 65x65x6mm

Name & Address of the Customer	AEE, Kodigehalli Sub Division, BBMP.
Name of Work	Development of Tatanagar 4th cross Childrens park in ward no. 08 Kodigehalli. Work order No: EE/BTP/BBMP/E-PMT /294/2015-16.
Name of the Agency	Sri. Taranath K. R.
Date of Testing	12/09/2016

Sl.No.	Description	Result	IS 2062-1999 & 808-1989 Min. Requirements	Remarks
1	Wt/m Length (Kg/m)	5.8	5.8	Satisfactory
2	Elongation (%)	26	23	Satisfactory
3	U T S (N/Sq.mm)	415	410	Satisfactory

A.E.E

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TEST REPORT

GAUGE TEST ON CHAIN LINK GAUGE-8

Name & Address of the Customer	AEE, Kodigehalli Sub Division, BBMP.
Name of Work	Development of Tatanagar 4th cross Childrens park in ward no. 08 Kodigehalli. Work order No: EE/BTP/BBMP/E-PMT /294/2015-16.
Name of the Agency	Sri. Taranath K. R.
Date of Testing	12/09/2016

Gauge Test

Guage	Measured Thickness in mm	Min. As Per IS : 1136-2008 in mm	Remarks
8	4.11	**4.11**	**Satisfies The Requirement**

A&E

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